

REMARKS

This application has been carefully reviewed in light of the Office Action dated May 6, 2005. Claims 1 to 14 and 16 to 20 are in the application, of which Claims 16 to 20 have been newly added. Claims 1, 12, 13 and 20 are the independent claims. Reconsideration and further examination are respectfully requested.

Claims 1 to 14 were rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 5,095,500 (Tayloe) in view of U.S. Patent No. 5,987,306 (Nilsen). Reconsideration and withdrawal of the rejections are respectfully requested.

The present invention relates to a communication system for managing a plurality of terminals. The reception statuses of the plurality of terminals is collected and displayed. With specific reference to the claims, Claim 1 relates to a radio communication system having a plurality of terminals and a base station. Each of the terminals comprises a reception status detector for detecting a reception status of a signal received from the base station, and a notification unit for notifying the base station of the reception status detected by the reception status detector. The base station comprises a management unit for managing the terminals, a collector for collecting the reception statuses of the terminals managed by the management unit, and a display control unit for displaying on a display unit, the reception statuses of the terminals collected by the collector.

The applied art is not seen to disclose or suggest the features of Claim 1, and in particular, is not seen to disclose or suggest the feature of a display control unit for displaying on a display unit, the reception statuses of the terminals collected by the collector.

Tayloe relates to a cellular radiotelephone diagnostic system. Tayloe is seen to disclose a system and method of evaluating the radio coverage of a geographic area serviced by a digital cellular radio-telephone communication service. The system includes a plurality of base stations and a plurality of mobile units. During operation, the positions of the mobile units operating within the geographic area are located when calls are received by a base station. The base station monitors the signal qualities of the calls, correlates received signal strengths and signal quality data, and compares the data to expected values to allow an operator to observe system performance and identify degraded service. (column 4, lines 32 to 40 of Tayloe).

Tayloe's monitoring is not seen to disclose or suggest a display control unit for displaying on a display unit, the reception statuses of the terminals collected by the collector. In particular, Tayloe correlates signal strengths and signal quality data and compares the results with expected values to create computer generated representations, such as those shown in Figs. 2 to 5 of Tayloe. While Tayloe might be seen to disclose display of computer generated representations, all such displays are believed to be statistical summaries, such as a representation of electromagnetic coverage (Fig. 2), traffic density distribution (Fig. 3), percentage of interference across multiple cells (Fig. 4), and interaction between several continuous cells (Fig. 5). Such statistical summaries are not seen as reception statuses of the terminals collected by a collector, which (according to the claim language) is "a reception status of a signal received from said base station."

Nilsen is not seen to provide what is missing from Tayloe. Nilsen relates to a system for monitoring telephone networks using mobile test units (MTU), which transmit

results of observations to a field test units (FTU) "for accumulation of statistics." (column 2, line 24 of Nilsen). As such, Nilsen is seen to disclose a system similar to Tayloe, which displays statistical summaries and not reception status. Accordingly, Nilsen is not seen to disclose or suggest a display control unit for displaying on a display unit, the reception statuses of the terminals collected by the collector.

Accordingly, Claim 1 is believed to be allowable over the cited references.

Claim 12 relates to a reception status display method, in a radio communication system having a plurality of terminals and a base station, for displaying a reception status of said terminals on said base station. The base station manages the terminals, collects the reception statuses of the managed terminals, and displays the reception statuses of the terminals collected in said collecting step. As discussed above, the cited references are not seen to disclose or suggest displaying the reception statuses of terminals. Accordingly, Claim 12 is believed allowable over the cited references for reasons similar to those discussed above.

Claim 13 relates to a communication apparatus comprising a manager configured to manage a plurality of terminals, a collector configured to collect reception statuses of signals received by the terminals managed by said manager, and a display controller configured to display on a display unit, the reception statuses of the terminals collected by said collector. As discussed above, the cited references are not seen to disclose or suggest displaying the reception statuses of terminals. Accordingly, Claim 13 is believed allowable over the cited references for reasons similar to those discussed above.

Independent Claim 20 has been added and is believed to be allowable.

Claim 20 defines a method for displaying a reception status of signals received by a plurality of terminals at a base station. The method comprises managing the plurality of the terminals, collecting the reception statuses of the plurality of the terminals managed in the managing step, and displaying the collected reception status of the plurality of terminals. Neither Tayloe nor Nilsen is seen to disclose or suggest subject matter defined by this Claim.

The other claims in the application are each dependent from the independent claims and are believed to be allowable over the applied reference for at least the same reasons. Because each dependent claim is deemed to define an additional aspect of the invention, however, the individual consideration of each on its own merits is respectfully requested.

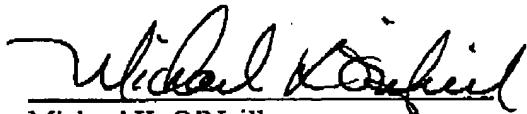
Finally, two formal matters are addressed. First, it is respectfully requested for the Examiner to acknowledge receipt of the certified copy of the priority document filed on May 10, 2002. This is a second request.

Second, it is respectfully requested that the Examiner approve the formal drawings filed with the original application on February 22, 2002.

No other matters being raised, it is believed that the entire application is fully in condition for allowance, and such action is courteously solicited.

Applicant's undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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